


FERMILAB NEWS

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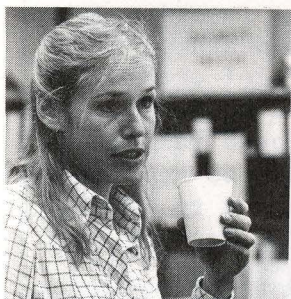
PINE STREET ACCESS CLOSES MAY 30

Employees should note that the Pine Street access will be closed from 6 a.m. Tuesday, May 30, through 6 a.m. Saturday, June 3. The Wilson Street gate is a suggested alternative. This gate will be open and manned from 8 p.m. to 6 a.m. rather than the Pine Street gatehouse.

According to Dave Sauer, Site Services, the temporary closing is required to erect an ornamental steel arch between the Pine Street gatehouse and Kirk Road. Favorable weather will reduce installation time, Sauer said. Barricades will be erected off Kirk Road on Pine Street, preventing travel through the construction area.



...Design/construction people behind new Pine St. arch pose with model. L-R they are: J. Forester, J. Peterson, G. Pagic, J. Knauf, M. Warner...



...L. Hoddeson,
FNAL archivist...

EMPLOYEE REQUEST: HELP PRESERVE FERMILAB HISTORY

History. Every person, industry or organization has one. And documents, tapes, recordings and other memorabilia chronicling Fermilab's roots are now being compiled.

"I cannot overemphasize how important employee cooperation will be to the project," said resident archivist Lillian Hoddeson.

She invited employee contributions in a May 5 letter to about 230 long-time employees. Others are also welcome to contribute, she said. "It is important that we make serious attempts to preserve information now, while the sources are maximally available," she said.

Hoddeson began collecting Fermilab historical artifacts in January. She was commissioned by the Fermilab History Committee to work on a quarter-time basis for a year. Holder of a Ph.D. in theoretical physics from Columbia University, the historian commutes from the University of Illinois-Champaign where she is a visiting

scientist in history in the University's Physics Department.

Notebooks, reports, slides, photos, memos, historical articles/books and unpublished talks regarding Fermilab and history of other accelerators is sought.

Any additional materials documenting employee roles at Fermilab are welcome.

Hoddeson says, "You might consider dictating information on cassette tape." She suggests, "First-person accounts of events that you participated in or witnessed personally, are particularly interesting for historians." She added that a limited number of personal interviews will be taped for inclusion in the collection.

The archivist works out of the "History of Accelerators" room in the Fermilab library. "Interviewing current and former Fermilab people has been very interesting and productive," she says. She arranges special taped interviews with physics pioneers visiting the Laboratory in a seminar series sponsored by the History Committee.

Hoddeson may be contacted in the library at Ext. 3401.

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WILSON METAL SCULPTURE ERECTED

A new metal sculpture by Fermilab Director R. R. Wilson was erected recently in the reflecting pond in front of the Central Laboratory.

It is a hyperbolic obelisk named "Acqua Alle Funi," which is a familiar Italian expression (also used as a rallying cry by some of the constructors of the Fermilab accelerator during the desperate moments that preceded its successful operation in 1972.)

The obelisk at Fermilab stands 32 feet high including its four-foot base. The work is fabricated of three gleaming stainless steel plates, each 1/4 inch in thickness. Each plate is made up of twenty-three smaller plates which were edge-welded together by Wilson.

The three hyperbolically-shaped plates were then welded together at the edges to form the three-sided hyperbolic obelisk. The surface was ground by hand to remove the mill-scale and a textured finish of overlapping circles was produced using very coarse sanding disks, which left deep grooves that catch the light from all directions. The effect of the light varies with weather and atmospheric conditions.

Dr. Wilson worked on the sculpture before and after working hours, at lunchtime and on weekends since January of this year. Toolmaker Charles Matthews of the Machine Shop assisted him. In order to learn to weld, Wilson apprenticed himself to Masterwelder James Forester of the Machine Shop who put Wilson through a course of instruction in the art of welding.

After a certain amount of "learning on the job," Dr. Wilson then did nearly all of the welding and much of the finishing work personally in the Cut Shop at 27 Winnebago in the Village.

The base was installed on May 5; the sculpture erection took place on May 9. Both pieces were hauled from the Village by flat bed truck and lifted into place by crane.

Dr. Wilson drew pencil sketches to illustrate his original concept; then a small lucite model was made by the Model Shop. Henry Hinterberger, director of Technical Services and Bill Jones, shop

foreman, provided overall supervision.

Dr. Wilson studied sculpture in Italy at the Academia Belle Arti in Rome in 1961. He had two showings of his works in Ithaca, New York where he served as director of Cornell University's Laboratory of Nuclear Studies before founding Fermilab in 1968. Dr. Wilson was commissioned to create a large sculpture for the Institute for Advanced Studies at Princeton, N. J. and another for Ithaca's Festival Theater.

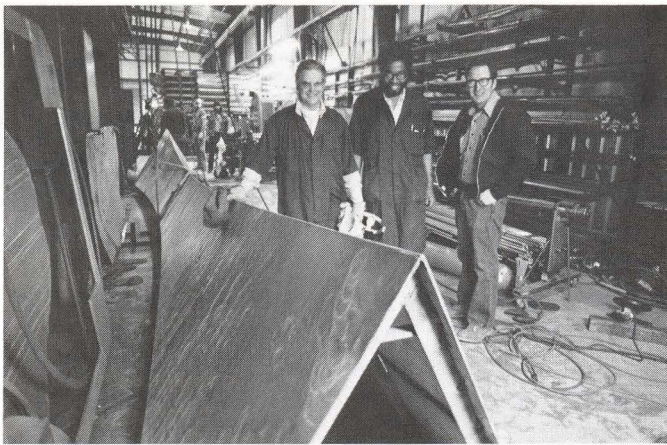
BEHIND THE NAME

"Acqua alle funi" refers to an incident that occurred in the piazza (square) of St. Peter's cathedral in the 16th century when the large Egyptian obelisk was being raised in the piazza. Dr. Wilson recounts the historical episode:

"Nearly 1,000 men and hundreds of horses were pulling on thick ropes attached to the obelisk in order to raise it to the vertical. Thousands of dignitaries and citizens of Rome were assembled to watch the erection, but were restrained to silence by penalty of death so that the commands of the chief erector, Domenico Fontana could be heard. By noon the obelisk had been raised to 45°, but the midday sun so heated the ropes that they began to lengthen and to slide on the capstans.

"The obelisk began to sag inelegantly toward the earth. Despite the harsh commands of Fontana, nothing would avail. At this critical point an old Genosese sailor, Bresca di Bordighera, could restrain himself no longer and shouted out 'Acqua alle funi!' 'water to the ropes.' Instead of executing Bresca, Fontana commanded the erectors to throw water on the ropes. This caused the ropes to contract, to stick to the capstans, and the erection to the vertical proceeded without further incident.

"Bresca was rewarded for putting himself in jeopardy by being made a nobleman of the Vatican. His descendants still have the privilege of selling palms to the faithful at the Vatican on Palm Sunday."



...(L-R) R. R. Wilson, C. Matthews, J. Forester with sculpture under construction in Village Machine Shop...



..."Hyperbolic Obelisk" rises from reflecting pool fronting Fermilab's Central Laboratory...

MEMORIAL DAY HOLIDAY

Memorial Day will be observed by Fermilab on Monday, May 29. It is the second of nine holidays to be observed by the Laboratory during 1978.

Cafeteria hours on the holiday will be: BREAKFAST--8:00 to 10:30 a.m.; LUNCH--11:30 a.m. to 1:30 p.m.

Jo Baaske, payroll supervisor, reminds employees that the regular Monday time sheet mail run, because of the holiday, will be made on Friday (May 26) at 10:30 a.m.

Remaining holidays for 1978 are: Independence Day, July 4; Labor Day, September 4; Thanksgiving Day, Nov. 23; day after Thanksgiving, Nov. 24; Christmas eve holiday, Dec. 22; Christmas Day, Dec. 25; and floating holiday, any regular workday selected by the employee with approval from the supervisor.

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POOL CUE

Reminder: Fermilab's swimming pool will open the 1978 season at 9 a.m. on Saturday (May 27). Membership is open to employees, their guests, visiting scientists, Batavia Area Department of Energy Office, Advance Security and Mutual Maintenance and their families. Season memberships are available from the Personnel Department receptionist, CL-6E. Daily admission will be \$1.50 per person. Children's swim lessons will be taught from June 12 to July 7 and from July 10 to Aug. 4. The fee is \$15 per child per session. For more information, contact Helen Ecker in the recreation office, CL-1W, Ext. 3126.

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RENTAL CAR DISCOUNTS

Fermilab employees can get discounts on Hertz rental autos for business or personal use. With a free sticker, employees can rent cars at discounts off regular rates, off special rates in the U.S., off regular rates for personal travel in Canada and off regular rates for international travel. Rates do not include gasoline. Tour package rates are not discountable. For discount identification, the discount sticker must be affixed to a Hertz credit card or another national credit card. For a sticker, contact the Travel Office, CL-1W.

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...S. Weinberg in 1977
at Fermilab...

Fermilab Science & Humanities Lecture Series Presents

"THE SEARCH FOR SYMMETRY"

by Steven Weinberg

Higgins Professor of Physics, Harvard University

Friday, June 9, 1978 8:30 p.m. Fermilab Auditorium

Free tickets are available for the sixth program in Fermilab's 1977-78 Science and Humanities Lecture Series. "The Search for Symmetry" will be outlined by Steven Weinberg, Higgins Professor of Physics at Harvard University. In art and nature, symmetry refers to balance or beauty of form created by arrangement of an object's parts.

Tickets are required for admission. They are available from the Guest Office, CL-1W, Ext. 3124. Reserved tickets not claimed by 5 p.m. Thursday, June 8, will be made available to the public.

Weinberg is a leader in basic particle physics, research analyzing the building blocks of matter. His theories about the birth of the universe are given in a new book, "The First Three Minutes--A Modern View of the Origin of the Universe." His lectureships include: Morris Loeb Lectures, Harvard University, 1966-67; Richtmeyer Memorial Lectures, American Association of Physics Teachers, 1974; and Silliman Lectures, Yale University, 1977.

The scientist's memberships include the National Academy of Sciences; Fellow, American Academy of Arts and Science; American Physical Society; and American Association for the Advancement of Science.

The Science and Humanities Lecture series is supported in part by the Illinois Humanities Council and the National Endowment for the Humanities. Purpose of the series is to blend science and the humanities to show their interrelationship and make both more understandable.

IT'S A BOY



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NALREC FISHING CONTEST JUNE 3

Fermilab anglers are invited to wet their lines in a fishing contest! NALREC will hold the event Saturday, June 3, from 11:30 a.m. to 4:30 p.m. The derby is open to Fermilab employees and families, visitors and Mutual Maintenance and Advance Security personnel. Four trophies will be awarded. One will go to the luckiest fish catcher under 12 years old; three other trophies will be up for grabs. A 50-cent entry fee will be charged to cover cost of prizes.

Preregistration is required. Deadline to sign up is Wednesday, May 31, at 4:00 p.m. To register, contact Keith Schuh at Ext. 4048/4444.



...EEO's Warren Cannon (L) outlines Fermilab job opportunities at a career day held at Aurora Central Catholic High school. Fermilab was among about 25 area employers represented...